

DECEMBER 3.

The President, Dr. RUSCHENBERGER, in the chair.

Twenty-five members present.

JOSEPH WILLCOX made the following remarks about some glacial scorings lately observed by him in St. Lawrence County, N. Y. Between the village of Rossie and Morristown, on the St. Lawrence River, a distance of eighteen miles, the country is generally a level plateau. The hard potsdam sandstone, alternating with calciferous sandstone, underlies a soil so thin that in many fields the use of the plow is impracticable; and fence posts are rarely placed in the ground.

Over this territory rounded boulders of granite are scattered in great profusion; though no outcrop of this rock is visible for many miles. The sandstone is frequently exposed to view to the extent of many yards, and on its surface the glacial marks made by the boulders of granite during their passage are exhibited in great perfection. An examination made with a pocket compass applied in three places at intervals of several miles determined the course as N. N. East with little variation. No glacial marks were observed on the calciferous sandstone, as this rock is disintegrated with too much facility to retain impressions of this character for a long period of time.

For a distance of thirty miles north of the St. Lawrence, between that river and Rideau Lake, the country is level and characterized by the absence of streams of water. The only rocks observed in position were the calciferous sandstone and limestone. Though rounded boulders of granite were abundant, none of the rocks were sufficiently durable to retain the glacial marks. On the north shore of Rideau Lake, in Burgess, is the remarkable locality for apatite (phosphate of lime).

This mineral is found in the Laurentian rocks; generally in gneis, but occasionally in limestone. It is nearly always associated with black mica (biotite). About 100 tons per week of apatite are mined, which is all shipped to Europe.

DECEMBER 5.

MEETING OF THE CONCHOLOGICAL SECTION.

Dr. W. S. W. RUSCHENBERGER, Director, in the chair.

A communication was read from Hon. J. A. Lapham, of Milwaukee, Wis., dated November 26, and accompanied by a

drawing of a very large specimen of *Busycon perversum*, measuring 12.5 inches in length. This shell was found in connection with ancient (Mound-Builder's) relics in excavating the street grades in the city of Milwaukee. A similar shell was obtained some years ago at Fond du Lac. The species is living on the Florida coast.

A letter was read from the Chicago Academy of Sciences, dated November 30, acknowledging receipt of several hundred named species of shells presented to that Institution by the Conchological Section.

The Conservator's Annual Report was read. (See Reports of Officers and Committees of the Academy.)

The officers for the ensuing year were then elected.

<i>Director</i>	.	.	.	W. S. W. Ruschenberger, M.D.
<i>Vice-Director</i>	.	.	.	Geo. W. Tryon, Jr.
<i>Recorder</i>	.	.	.	S. R. Roberts.
<i>Treasurer</i>	.	.	.	W. L. Maetier.
<i>Secretary</i>	.	.	.	Rev. E. R. Beadle.
<i>Conservator</i>	.	.	.	E. J. Nolau, M.D.

DECEMBER 10.

The President, DR. RUSCHENBERGER, in the chair.

Twenty-six members present.

Jos. Willcox made the following remarks:—

Having lately visited many mineral localities in Canada, I desire to place them on record, as many of them are not mentioned either in the Geological Report of Canada, or in Dana's Mineralogy. I was accompanied by Mr. Charles D. Nims, of Philadelphia, Jefferson County, New York, who has frequently visited Canada for the purpose of procuring mineral specimens.

At the Falls of Ottawa River at Grand Calumet Island.—Black mica (phlogopite), pyroxene, hornblende, serpentine, tremolite.

The following localities are all in the Province of Ontario:—

At Arnprior.—Calcite (dog tooth spar).

Near Pakenham.—Hornblende.

In Bathurst.—Pyroxene, scapolite, sphene, apatite, peristerite.

Two miles southwest of Perth.—Bronze mica (phlogopite), having beautiful hexagonal marks on the cleavage planes.

Near Otty Lake, in North Elmsley.—Apatite, pyroxene, black mica (biotite), zircon, red spinel—chondrodite.

In Burgess.—Apatite, black mica (biotite).

Near Bob Lake, twenty miles northwest of Perth, the best crystals of apatite are found.